



Desmopan 3491A TPU

Covestro Deutschland AG

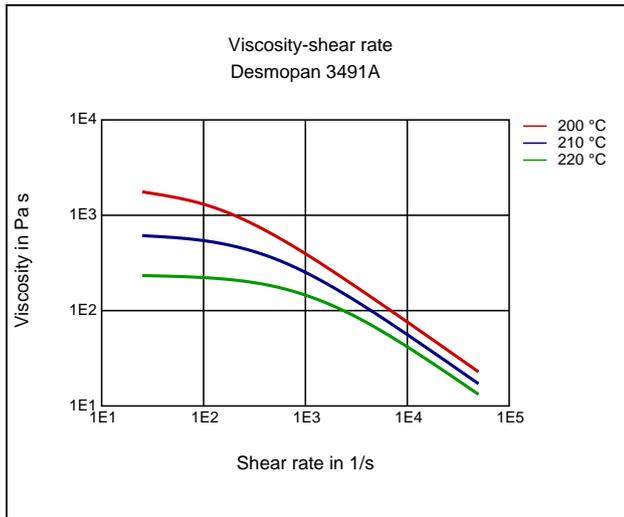
- Extrusion- and injection molding grade
- suitable for extrusion blow molding
- high mechanical strength
- Application
- blow molding
- Profiles
- Injection molded engineering parts

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Compression Set under constant strain, 23 °C	20	%	ISO 815
Compression Set under constant strain, 70 °C	50	%	ISO 815
Abrasion resistance	25	mm ³	ISO 4649
Shore Hardness A (15s)	92	-	ISO 868
Shore Hardness D (15s)	40	-	ISO 868

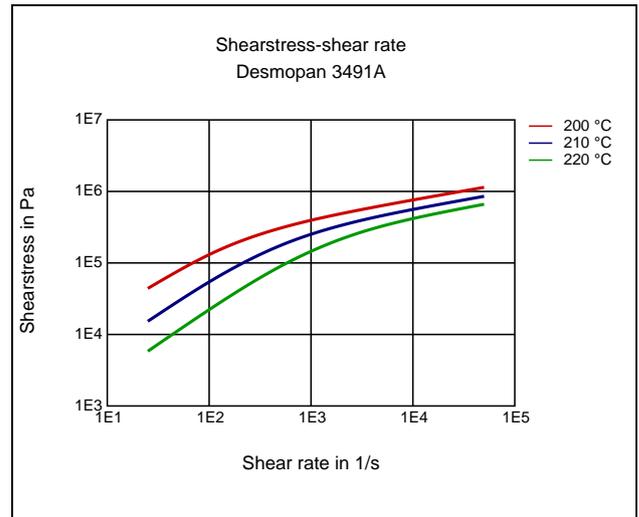
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1200	kg/m ³	ISO 1183

Diagrams

Viscosity-shear rate



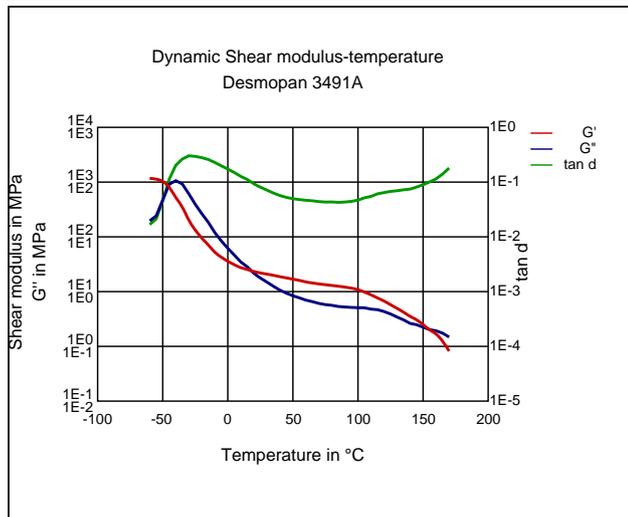
Shearstress-shear rate



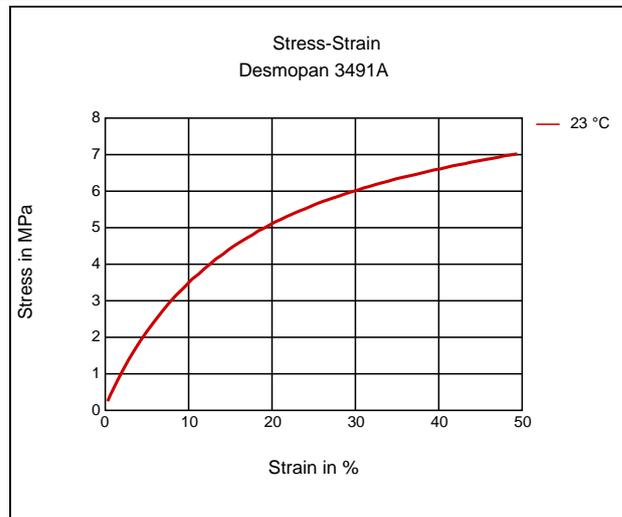
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Dynamic Shear modulus-temperature



Stress-Strain (TPE)



Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Blow Molding

Injection Molding

PREPROCESSING

Max. water content: 0.05 %
 Max. drying temperature: 80 °C
 Drying time:
 Dry air dryer 1-2 h

PROCESSING

Melt temperature: 200-230 °C
 Mold temperature: 20-40 °C

Other Extrusion

Preprocessing
 Max. Water content ≤0.05 %
 Drying temperature 70-110 °C
 Dry air dryer 1-2 h
 Processing
 Melt temperature 175-205 °C

Profile extrusion

Preprocessing
 Max. Water content ≤0.05 %
 Drying temperature 70-110 °C
 Dry air dryer 1-2 h
 Processing
 Melt temperature 175-205 °C